Marginal Pastureland CP22 - Riparian Inventory Sheet

Operator Name: _____ Farm No. _____ Field No: _____

Tract No. _____ Date: _____ Assisted By: _____

Plot Number	Tally Trees	DBH (First 5 Tallied Trees)					Stem Count
1							
2							
3							
4							
5							
6							
Plot Totals							

Calculations

Overstocked ____
Fully Stocked ____
Understocked ____

Basal Area: Total count of all tally trees / Number of plots X 10 = _____

Trees per Acre: Total stem count / Number of plots X 20 = _____ **or** *Average DBH*: Sum of tree diameters / 5 x number of plots = _____

Procedures for Estimating Eligibility for Existing Woody Pastureland Riparian Areas

1. Use a 10-factor angle gauge to inventory basal area. A minimum of one plot per 5 acres or 3 plots per field/stand/site within the wooded area, whichever is more, is needed.

2. Sampling plots may be located either systematically or randomly within the wooded area of the riparian corridor. On all sites, plots should be located a minimum of 100 feet apart from each other and 25 feet from field borders.

3. Locate your plot point and mark with a flag or stick. Using an angle gauge, site on live trees (no shrubs) 4 1/2 feet above the ground that are at least 2 inches in diameter. Distance of the tree from the plot point does not matter. Straddle the marked point and rotate the angle gauge 360 degrees. The angle gauge should be kept at a proper distance (25 inches) from the eye when making inventory determinations. As you turn, record each tree that completely fills or more than fills the 10-factor opening of the gauge in the "Tally Trees" category.

4. Record tree diameter at 4 1/2 feet above the ground of the first five (5) tallied trees of each plot that are greater than 2 inches in diameter. Or, complete a live stem count of all trees (no shrubs) that are 2 inches or larger within a 26.3 feet radius of the plot center.

5. Using the figure on reverse side, find the point on the graph where the calculated basal area intersects with the computed average DBH or trees per acre. This point is the estimated stocking percent. If the point falls in or below the **understocked** section of the graph, the site needs additional stocking and is eligible for enrolling as a CP-22. If the point falls in the fully stocked or overstocked sections of the graph, the site can be considered adequate and not eligible for CP-22. If average stand diameter is less than 4 inches, base eligibility on calculated number of trees per acre - less than 302 trees/acre is **understocked** and eligible; 302 trees/acre and greater the site is fully stocked and not eligible for inclusion .